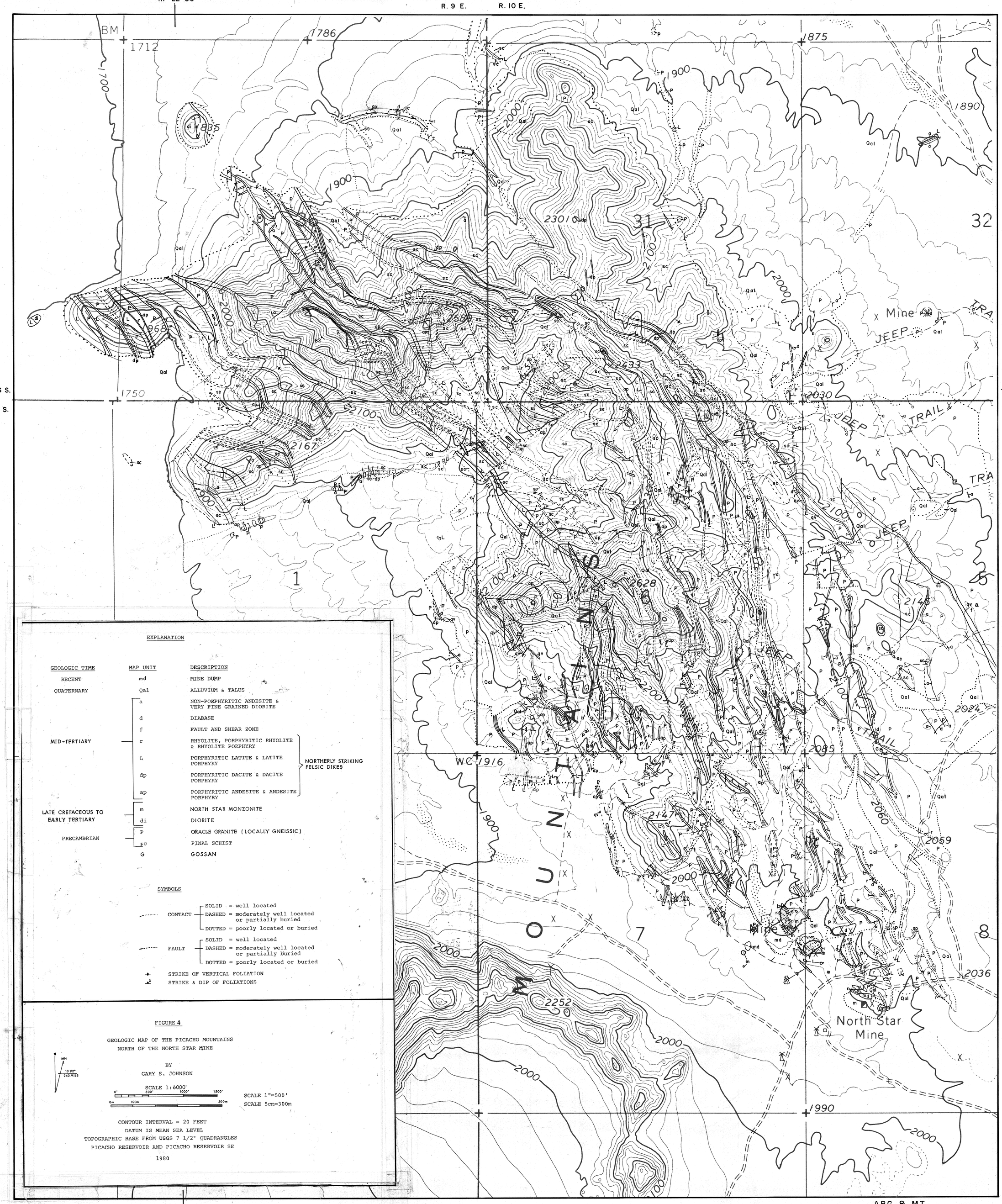

EXPLANATION

GEOLOGIC TIME	MAP UNIT	DESCRIPTION
RECENT	md	MINE DUMP
QUATERNARY	Qal	ALLUVIUM & TALUS
MID-TERTIARY	a	NON-PORPHYRITIC ANDESITE & VERY FINE GRAINED DIORITE
	d	DIABASE
	f	FAULT AND SHEAR ZONE
	r	RHYOLITE, PORPHYRITIC RHYOLITE & RHYOLITE PORPHYRY (NORTHERLY STRIKING FELSIC DIKES)
	L	PORPHYRITIC LATITE & LATITE PORPHYRY (NORTHERLY STRIKING FELSIC DIKES)
	dp	PORPHYRITIC DACITE & DACITE PORPHYRY (NORTHERLY STRIKING FELSIC DIKES)
	ap	PORPHYRITIC ANDESITE & ANDESITE PORPHYRY (NORTHERLY STRIKING FELSIC DIKES)
LATE CRETACEOUS TO EARLY TERTIARY	m	NORTH STAR MONZONITE
	di	DIORITE
PRECAMBRIAN	P	ORACLE GRANITE (LOCALLY GNEISSIC)
	sc	PINAL SCHIST
	G	GOSSAN

SYMBOLS

CONTACT — SOLID = well located; DASHED = moderately well located or partially buried; DOTTED = poorly located or buried

FAULT — SOLID = well located; DASHED = moderately well located or partially buried; DOTTED = poorly located or buried

STRIKE OF VERTICAL FOLIATION

STRIKE & DIP OF FOLIATIONS

FIGURE 4

GEOLOGIC MAP OF THE PICACHO MOUNTAINS NORTH OF THE NORTH STAR MINE

BY

GARY S. JOHNSON

MN 13 1/2° 240 MILS

SCALE 1:6000'

0' 500' 1000' 1500'

0m 100m 500m

SCALE 1"=500'

SCALE 5cm=300m

CONTOUR INTERVAL = 20 FEET

DATUM IS MEAN SEA LEVEL

TOPOGRAPHIC BASE FROM USGS 7 1/2' QUADRANGLES

PICACHO RESERVOIR AND PICACHO RESERVOIR SE

1980

111° 22' 30" R. 9 E. R. 10 E.

ABG & MT
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FIGURE 4: GEOLOGIC MAP OF THE PICACHO MOUNTAINS NORTH OF THE NORTH STAR MINE

JOHNSON, GARY S., M.S. THESIS, DEPARTMENT OF GEOSCIENCES, 1981

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